

Moplen EP548S

PP COPO

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index	44	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	2.16	kg	-
Density, 73°F	900	kg/m³	ASTM D 792

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	44	g/10min	ISO 1133
MFI temperature	230	°C	-
MFI load	2.16	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1550	MPa	ISO 527
Yield stress	28	MPa	ISO 527
Yield strain	5	%	ISO 527
Strain at Break	30	%	ISO 527
Notched Impact Strength (Charpy), +23°C	5	kJ/m²	ISO 179/1eA
Ball Indentation Hardness	68	MPa	ISO 2039-1
ASTM Data			
Tensile Strength at Yield	27	MPa	ASTM D 638
Elongation at Yield	4	%	ASTM D 638
Flexural Modulus	1500	MPa	ASTM D 790
Notched Impact Strength (Izod), 1/8 in	46	J/m	ASTM D 256

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (0.45 MPa)	95	°C	ISO 75-1/-2
Vicat softening temperature A	151	°C	ISO 306
ASTM Data			
DTUL @ 66 psi	116	°C	ASTM D 648

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	900	kg/m³	ISO 1183

Characteristics
Processing

Injection Molding

Special Characteristics

Anti-static, Opaque

Features

Nucleated, Copolymer, Impact Copolymer

Certifications

Food approval

Applications

Packaging, Sports Equipment